

## EAST Search History

| Ref # | Hits   | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|---|---|------------------|---------|------------------|
| L1    | 2182   | 307/112.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/07/17 17:01 |
| L2    | 1163   | 307/116.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/07/17 17:02 |
| L3    | 901    | 307/125.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/07/17 17:02 |
| S1    | 16     | ("4346419" "5048914" "5409403" "5580261" "5984687" "6435917" "6439932" "6528746").PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/01/24 11:27 |
| S2    | 803    | 307/147.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/01/24 11:56 |
| S3    | 160659 | (plug socket),with (engage engagement engaged)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/01/24 11:56 |
| S4    | 16129  | S3 and coaxial  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/01/24 13:18 |
| S5    | 5274   | S4 and power  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/01/24 11:59 |

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|     |        |  |   |    |    |                  |
|-----|--------|--|---|----|----|------------------|
| S7  | 279    | S5 and (plug with socket) same power           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/24 13:18 |
| S8  | 124    | S7 and switch                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/24 12:01 |
| S9  | 32     | S8 and diode                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/24 13:17 |
| S10 | 526084 | (plug socket switch).ti.                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/24 13:18 |
| S11 | 160659 | (plug socket) with (engage engagement engaged) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/24 13:18 |
| S12 | 16129  | S11 and coaxial                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/24 13:18 |
| S13 | 5274   | S12 and power                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/24 13:18 |
| S14 | 279    | S13 and (plug with socket) same power          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/24 13:18 |

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|     |       |   |   |    |     |                  |
|-----|-------|---|---|----|-----|------------------|
| S16 | 2758  | S10 and (plug with socket) same power   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/24 13:18 |
| S17 | 71    | S16 and coaxial   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/24 13:18 |
| S18 | 6     | ("4358135"   "5475428"   "5475441"   "5477264"   "5493335"   "5530296").PN. OR ("5949160").URPN.                            | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/01/24 13:25 |
| S19 | 14    | ("3475569"   "3496500"   "3649839"   "4549783"   "4591732"   "4644179"   "4816792").PN. OR ("5048914").URPN.                | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/01/24 13:30 |
| S20 | 2     | ("6,000,192").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/01/24 14:49 |
| S21 | 22    | ("20040132337" "20050070141" "4346419" "5048914" "5409403" "5580261" "5949160" "5984687" "6435917" "6439932" "6528746").PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/07/13 17:59 |
| S22 | 814   | 307/147.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/07/13 18:09 |
| S23 | 15608 | plug with socket with contacts  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/13 18:15 |
| S24 | 97    | S23 same diode same switch  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/13 18:17 |

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|     |       |  |   |    |     |                  |
|-----|-------|--|---|----|-----|------------------|
| S25 | 50301 | key with contacts  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/13 18:15 |
| S26 | 1275  | S25 same diode same switch   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/13 18:15 |
| S27 | 15608 | S23 same (Engage engaged engagement insert inserted contact contacted connect connected connection)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/13 18:17 |
| S28 | 12810 | S23 same (Engage engaged engagement insert inserted connect connected connection)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/14 17:26 |
| S29 | 950   | S28 and (isolate isolated isolation)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/17 09:08 |
| S30 | 123   | S29 and (diode and switch)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/13 18:19 |
| S31 | 0     | ("2005/0070141").URPN.   | USPAT   | OR | OFF | 2006/07/13 18:21 |
| S32 | 17    | ("3508188"   "4676574"   "4997384"   "5048914"   "5131464"   "5203805"   "5334032"   "5334801"   "5358418"   "5389003"   "5484296"   "5820416"   "5823806"   "6123561"   "6392317"   "6511335").PN. OR ("6902414").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/07/13 18:28 |
| S33 | 2168  | ((plug with socket) or (male with female)) same (contacts connection connected) same ((fully completely) with (engaged connected))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/14 17:33 |

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|     |        |  |   |    |     |                  |
|-----|--------|--|---|----|-----|------------------|
| S34 | 994    | S33 and (disconnect disconnected switch switched switching)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/13 18:29 |
| S35 | 24     | ("4835737"   "4850892"   "5272584"   "5310998"   "5317697"   "5369593"   "5376831"   "5383081"   "5384492"   "5463261"   "5530302"   "5530810"   "5548712"   "5568610"   "5572395"   "5584030"   "5589719"   "5589791"   "5604873"   "5625238"   "5714809"   "5764926").PN. OR ("6192435").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/07/14 15:05 |
| S36 | 0      | ("2004/0132337").URPN.   | USPAT   | OR | OFF | 2006/07/14 15:06 |
| S37 | 113354 | key same contacts  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/14 17:26 |
| S38 | 580    | S37 and hazardous and power  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/14 17:27 |
| S39 | 392390 | ((fully completely full complete) with (engaged connected inserted))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/14 17:35 |
| S40 | 128120 | S39 and (key (male same female) plug socket)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/14 17:35 |
| S41 | 304592 | ((fully completely complete) with (engaged connected inserted))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/14 17:35 |

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|     |        |   |   |    |     |                  |
|-----|--------|---|---|----|-----|------------------|
| S42 | 104812 | S41 and (key (male same female) plug socket)                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/14 17:37 |
| S43 | 44727  | S42 and power   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/14 17:35 |
| S44 | 7545   | S43 and diode   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/14 17:35 |
| S45 | 38978  | S41 same (key (male same female) plug socket)                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/17 09:06 |
| S46 | 5314   | S45 same power  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/14 18:24 |
| S47 | 2219   | S46 same (disconnect switch)                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/14 18:24 |
| S48 | 0      | ("2006/0110103").URPN.  | USPAT   | OR | OFF | 2006/07/14 18:28 |
| S49 | 0      | ("2003/0122428").URPN.  | USPAT   | OR | OFF | 2006/07/14 18:31 |
| S50 | 304603 | ((fully completely complete) with (engaged connected inserted)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/17 09:07 |
| S52 | 3231   | S50 and coaxial with (key plug socket connector)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/17 09:08 |

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|     |        |  |   |    |    |                  |
|-----|--------|--|---|----|----|------------------|
| S53 | 711    | S52 and (isolate isolated isolation)                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17 09:09 |
| S54 | 519    | S53 and (power current voltage)                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17 14:49 |
| S55 | 226703 | computer with (board circuit)                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17 14:49 |
| S56 | 11328  | diode same current same protect                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17 14:50 |
| S57 | 3324   | diode with current with protect                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17 14:56 |
| S58 | 148    | S55 and S57  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17 14:50 |
| S59 | 70511  | plug with socket                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17 14:56 |
| S60 | 7974   | diode with current with (protect protection protected) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17 15:09 |

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|     |       |  |   |    |    |                  |
|-----|-------|--|---|----|----|------------------|
| S61 | 9     | S59 same S60   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17 14:58 |
| S62 | 47722 | male with female and (voltage power)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17 14:58 |
| S63 | 76    | S62 and S60  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17 15:02 |
| S65 | 281   | (pin) same S60                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17 15:03 |
| S66 | 2     | S65 and diode with ((male plug) and (female socket)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17 15:10 |
| S67 | 1197  | S60 and diode with ((supply source) and (load))      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17 15:09 |
| S68 | 25    | S67 and ((male plug) and (female socket))            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17 15:10 |